

ABSTRACTAdditive manufacturing device and method

- 5 Disclosed is an additive manufacturing device, comprising: a vessel for containing a material which is polymerisable on exposure to radiation; a build platform having a build surface, the build platform being mounted or mountable for movement relative to the vessel; and a programmable radiation module comprising an array of individually addressable radiation emitting or transmitting elements, the array being configurable to
- 10 produce radiation having a predetermined pattern by selective activation of elements of the array; wherein the programmable radiation module is positioned or positionable to irradiate uncured material adjacent the build surface, or adjacent a previously cured structure on the build surface, with the predetermined pattern without magnification. Also disclosed is an additive manufacturing method which employs the additive
- 15 manufacturing device.

Figure 4